

Product Datasheet

Procalcitonin Antibody (44D9) - BSA Free NB120-14817

Unit Size: 0.2 mg

Store at 4C. Do not freeze.

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NB120-14817

Procalcitonin Antibody (44D9) - BSA Free

Product Information	
Unit Size	0.2 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	44D9
Preservative	0.09% Sodium Azide
Isotype	IgG2a
Purity	Protein A purified
Buffer	PBS (pH 7.4)
Product Description	
Description	Novus Biologicals Mouse Procalcitonin Antibody (44D9) - BSA Free (NB120-14817) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Procalcitonin Antibody: Cited in 10 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	796
Gene Symbol	CALCA
Species	Human, Rat
Immunogen	Hybridoma clone has been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with fragments of human Procalcitonin conjugated with carrier protein.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Sandwich ELISA
Recommended Dilutions	Western Blot 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Sandwich ELISA 1:100-1:2000
Application Notes	Recommended pairs for sandwich immunoassay (capture-detection): NBP1-79064 - NB120-14817.



Publications

Zeng JT, Wang Y, Wang Y et al. Elevated procalcitonin levels in the absence of infection in procalcitonin-secreting hepatocellular carcinoma: A case report *World Journal of Clinical Cases* 2022-10-16 [PMID: 36312465] (Immunohistochemistry, Western Blot, Immunocytochemistry/ Immunofluorescence, Rat)

Song C, Zhao J, Hao J et al. Aminoprocaltitonin protects against hippocampal neuronal death via preserving oxidative phosphorylation in refractory status epilepticus *Cell death discovery* 2023-05-04 [PMID: 37142587] (WB, IHC-Fr, EM, Rat)

Details:

dilutions: EM: 1:100, IHC-Fr 1:100; WB 1:500

Selimoğlu F, Ayhan M Silver nanoparticle decorated graphene-based SERS electrode towards procalcitonin detection *Vibrational Spectroscopy* 2023-05-01

Wang W, Xu L, Hu D, Tang W Case of an abnormal procalcitonin producing metastatic pancreatic neuroendocrine tumor *Clin Case Rep* 2020-11-25 [PMID: 33235774]

Ang SX, Chen CP, Sun FJ, Chen CY Bio-Functionalized Magnetic Nanoparticles for the Immunoassay of C-Reactive Protein and Procalcitonin in Cervicovaginal Secretions of Pregnant Women with Preterm Prelabor Rupture of Membranes to Predict Early-Onset Neonatal Sepsis *International journal of nanomedicine* 2022-01-20 [PMID: 35082495]

Ma S, Wang H, Li W Et al. The correlation between the expression of ATF4 and procalcitonin combined with the detection of RET mutation and the pathological stage and clinical prognosis of medullary thyroid carcinoma *Canadian journal of physiology and pharmacology* 2021-11-25 [PMID: 34822305]

Takahashi K, Ozawa E et al. Hepatobiliary and Pancreatic: A procalcitonin-secreting and calcitonin-secreting pancreatic neuroendocrine carcinoma. *J Gastroenterol Hepatol* 2019-01-06 [PMID: 30663800] (IF/IHC, Human)

Hui-Heng L, Jun-Sheng W, Jin-Zhou L et al. Lupeol Counteracts the Proinflammatory Signalling Triggered in Macrophages by 7-Keto-Cholesterol: New Perspectives in the Therapy of Atherosclerosis *Cytokine* 2020-09-27 [PMID: 33039977] (WB, Rat)

Luohai Chen, Yu Zhang, Yuan Lin et al. The role of elevated serum procalcitonin in neuroendocrine neoplasms of digestive system. *Clinical Biochemistry* 2017-06-26 [PMID: 28668469] (IF/IHC, Human)

Tavares E, Maldonado R, Minano FJ. Immunoneutralization of Endogenous Aminoprocaltitonin Attenuates Sepsis-Induced Acute Lung Injury and Mortality in Rats. *Am. J. Pathol.* 2014-09-20 [PMID: 25251058]

Details:

Procalcitonin/ aminoprocaltitonin or NPCT antibody used for WB at 1:2000 dilution on Rat's lung tissues - Figure 1B shows a specific 8kDa band representing Rat's NPCT

Tavares E, Maldonado R, Garcia-Martinez A, Minano FJ. Central Administration of Aminoprocaltitonin Inhibits Food Intake and Stimulates the Hypothalamic-Pituitary-Adrenal Axis in Rats via the Corticotrophin-Releasing Factor System *J Neuroendocrinol* 2012-07-01 [PMID: 22372932] (WB, IF/IHC, ICC/IF, Rat)





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Products Related to NB120-14817

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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